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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

|                        |                |
|------------------------|----------------|
| Application Number     | 10802981       |
| Filing Date            | 2004-03-17     |
| First Named Inventor   | Darko Kirovski |
| Art Unit               | 2131           |
| Examiner Name          |                |
| Attorney Docket Number | MS1-1934US     |

**U.S. PATENTS**

| Examiner Initial* | Cite No | Patent Number | Kind Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|---------------|------------------------|------------|---|--|
|                   | 1       | 4386233       |                        | 1983-05-31 | Smid, ; et al.                                  |  |
|                   | 2       | 4424414       |                        | 1984-01-03 | Hellman, ; et al.                               |  |
|                   | 3       | 4567600       |                        | 1986-01-28 | Massey, ; et al.                                |  |
|                   | 4       | 4633036       |                        | 1986-12-30 | Hellman, ; et al.                               |  |
|                   | 5       | 4820912       |                        | 1989-04-11 | Samyn   |  |
|                   | 6       | 4881264       |                        | 1989-11-14 | Merkle  |  |
|                   | 7       | 4956863       |                        | 1990-09-11 | Goss  |  |
|                   | 8       | 5003597       |                        | 1991-03-26 | Merkle  |  |

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|    |         |  |            |                    |  |
|----|---------|--|------------|--------------------|--|
| 9  | 5016274 |  | 1991-05-14 | Micali, ; et al.   |  |
| 10 | 5299262 |  | 1994-03-29 | Brickell, ; et al. |  |

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**U.S.PATENT APPLICATION PUBLICATIONS**

| Examiner Initial* | Cite No | Publication Number | Kind Code <sup>1</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
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**FOREIGN PATENT DOCUMENTS**

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|-------------------|---------|--------------------------------------|---------------------------|------------------------|------------------|---|--|--------------------------|
|                   | 1       | EP1173001                            |                           |                        | 2002-01-16       | EASTMAN KODAK CO (US)                           |  | <input type="checkbox"/> |

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**NON-PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>5</sup>           |
|--------------------|---------|---|--------------------------|
|                    | 1       | Brzakovic et al, "Document Recognition/Authentication Based on Medium-Embedded Random Patterns", Proceedings of the Second International Conference on Tsukuba Science City, Japan, October 20-22, 1993, pp. 95-98.   | <input type="checkbox"/> |
|                    | 2       | "Counterfeit Deterrent Features for the Next-Generation Currency Design", National Materials Advisory Board (NMAB), 4-Description and Assessment of Deterrent Features, pages 39-86   | <input type="checkbox"/> |

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|---|--|--------------------------|
| 3 | "Counterfeit Deterrent Features for the Next-Generation Currency Design (1993)", National Materials Advisory Board (NMAB); Appendix E: Methods for Authentication of Unique Random Patt...pages 117-120                          | <input type="checkbox"/> |
| 4 | Pappu, R., "Physical One-Way Functions", www.sciencemag.org, Vo. 297, September 20, 2002, pages 2026-2030  | <input type="checkbox"/> |
| 5 | Pennebaker et al, "An Overview of the Basic Principles of the Q-Coder Adaptive Binary Arithmetic Coder", IBM Journal of Research and Development, Vol. 32, No. 11, November 1988, pp. 717-726.                                   | <input type="checkbox"/> |
| 6 | Rivest, R.L., et al., "A Method for Obtaining Digital Signatures and Public-Key Cryptosystems", 15 pages   | <input type="checkbox"/> |
| 7 | Rivest, R., "The MD5 Message-Digest Algorithm", MIT Laboratory for Computer Science and RSA Data Security, Inc., April 1992, 18 Pages, <a href="http://www.faqs.org/rfcs/rfc1321.html">http://www.faqs.org/rfcs/rfc1321.html</a> | <input type="checkbox"/> |
| 8 | Simmons, "Identification of Data, Devices, Documents and Individuals", Proceedings of the Annual International Carnahan Conference on Security Technology, Taipei, October 1 -3, 1991, page 208.                                 | <input type="checkbox"/> |
| 9 |  | <input type="checkbox"/> |

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**EXAMINER SIGNATURE**

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

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**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

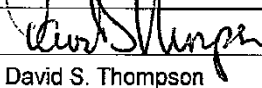
☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

|            |   |                     |            |
|------------|---|---------------------|------------|
| Signature  |  | Date (YYYY-MM-DD)   | 2006-08-15 |
| Name/Print | David S. Thompson   | Registration Number | 37,954     |

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**